Program EVALPLOT
(Version 2018-1)
by
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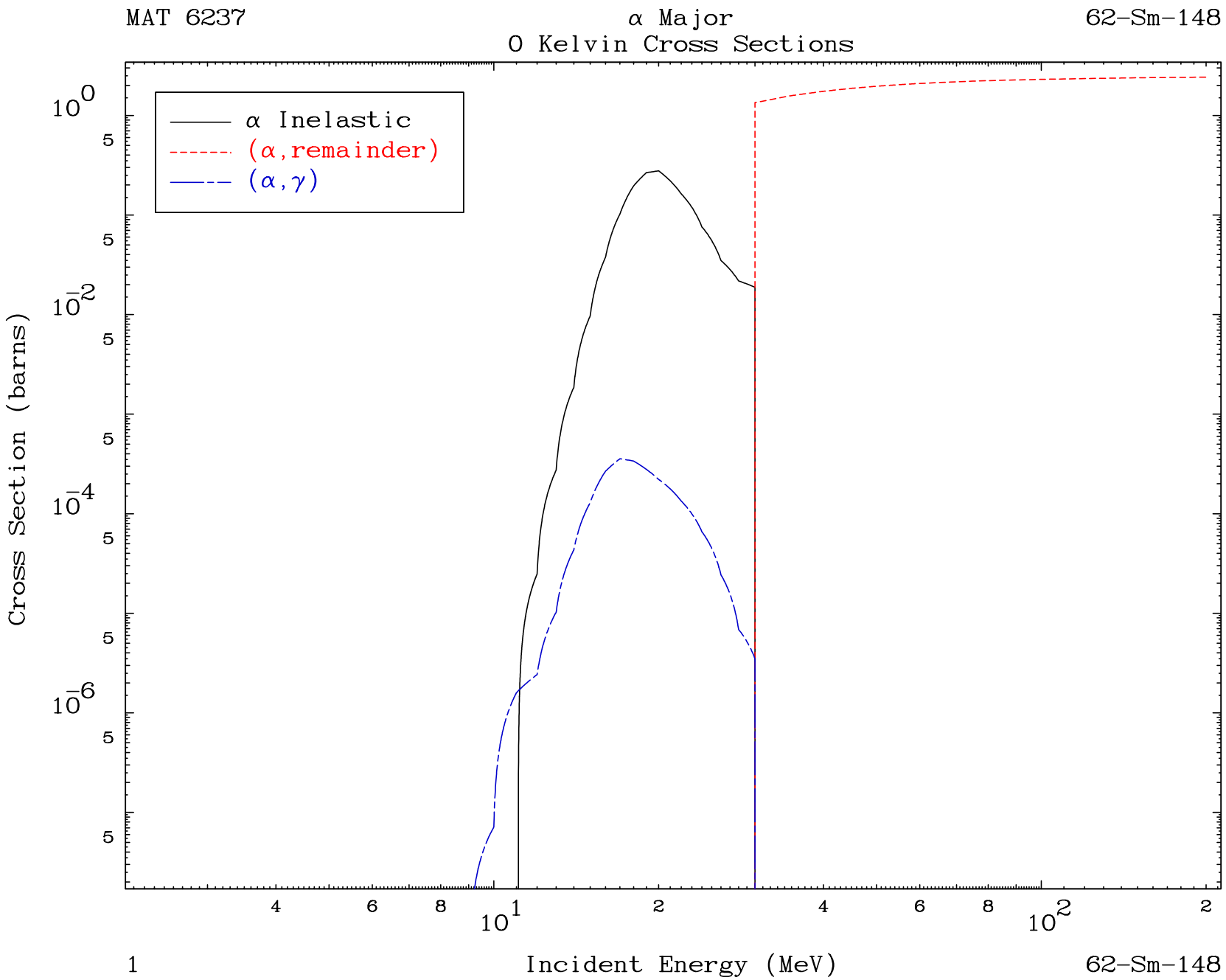
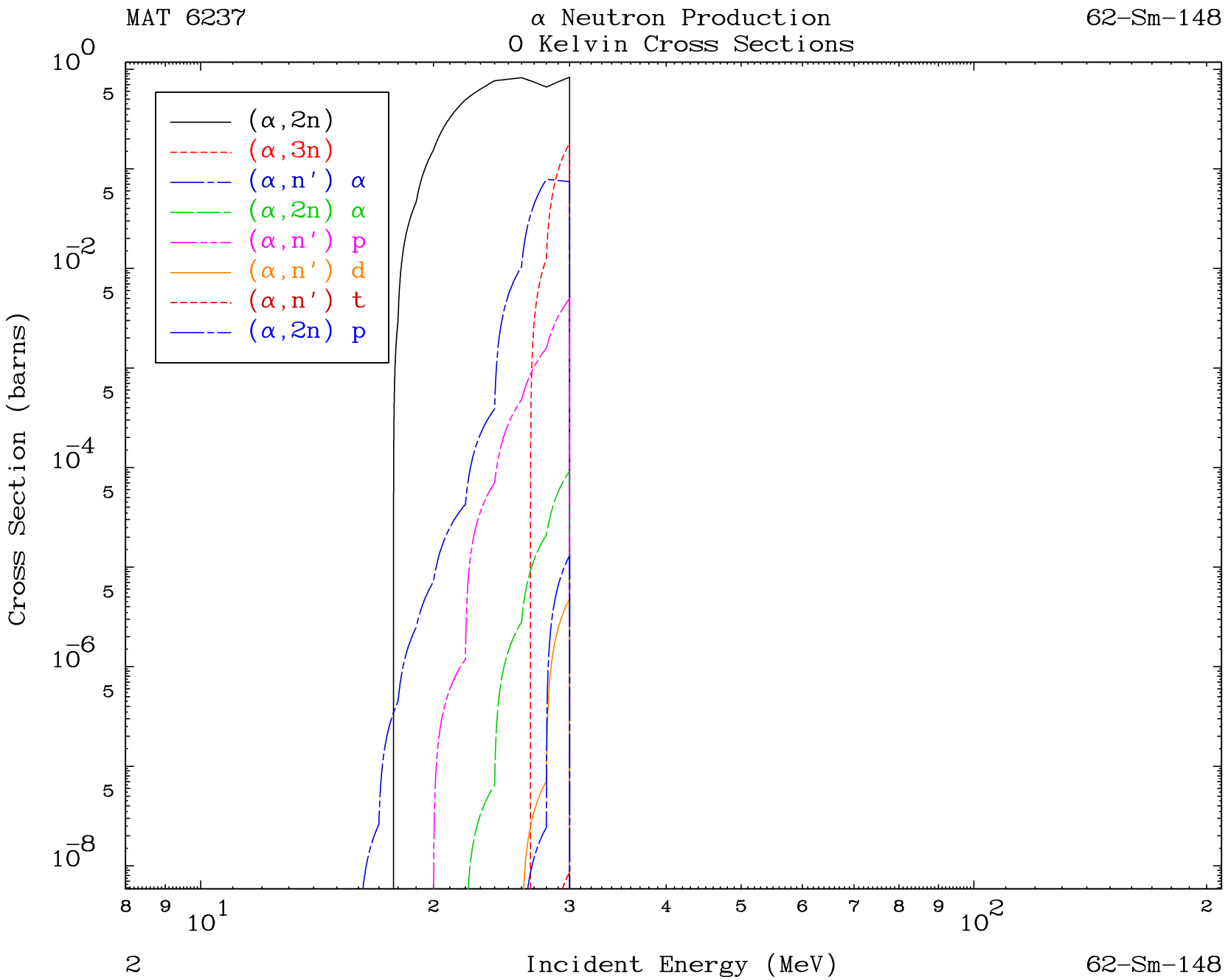
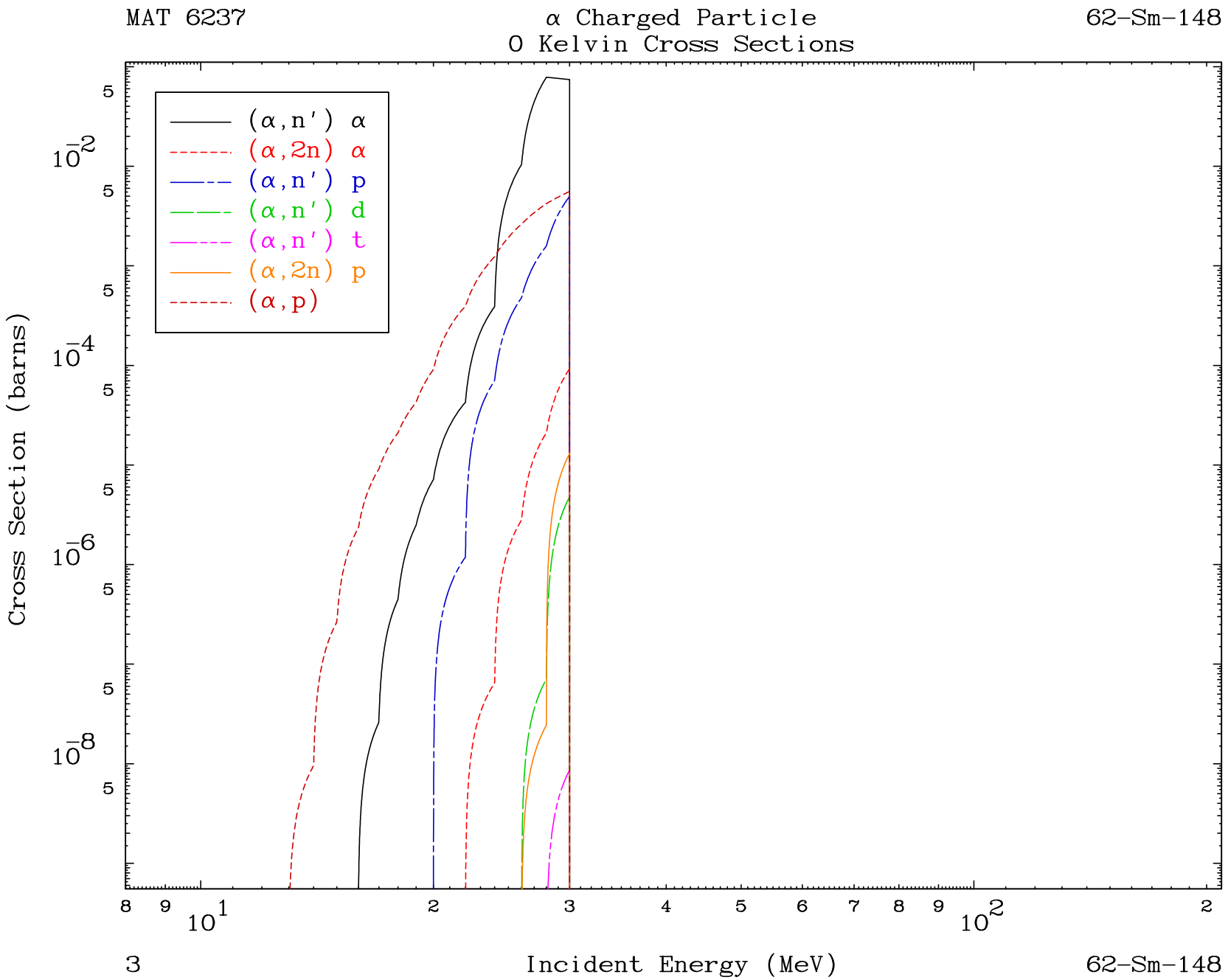
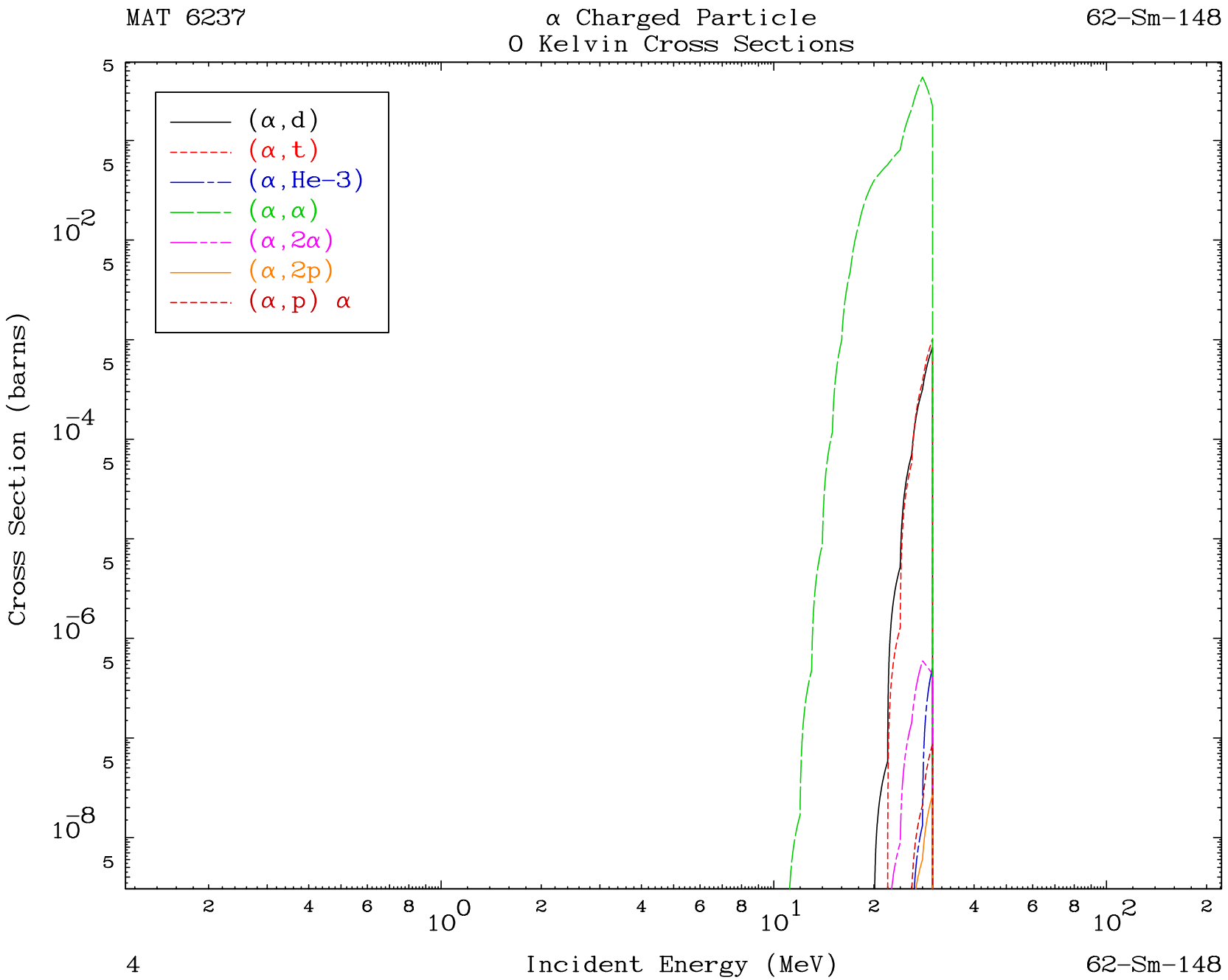
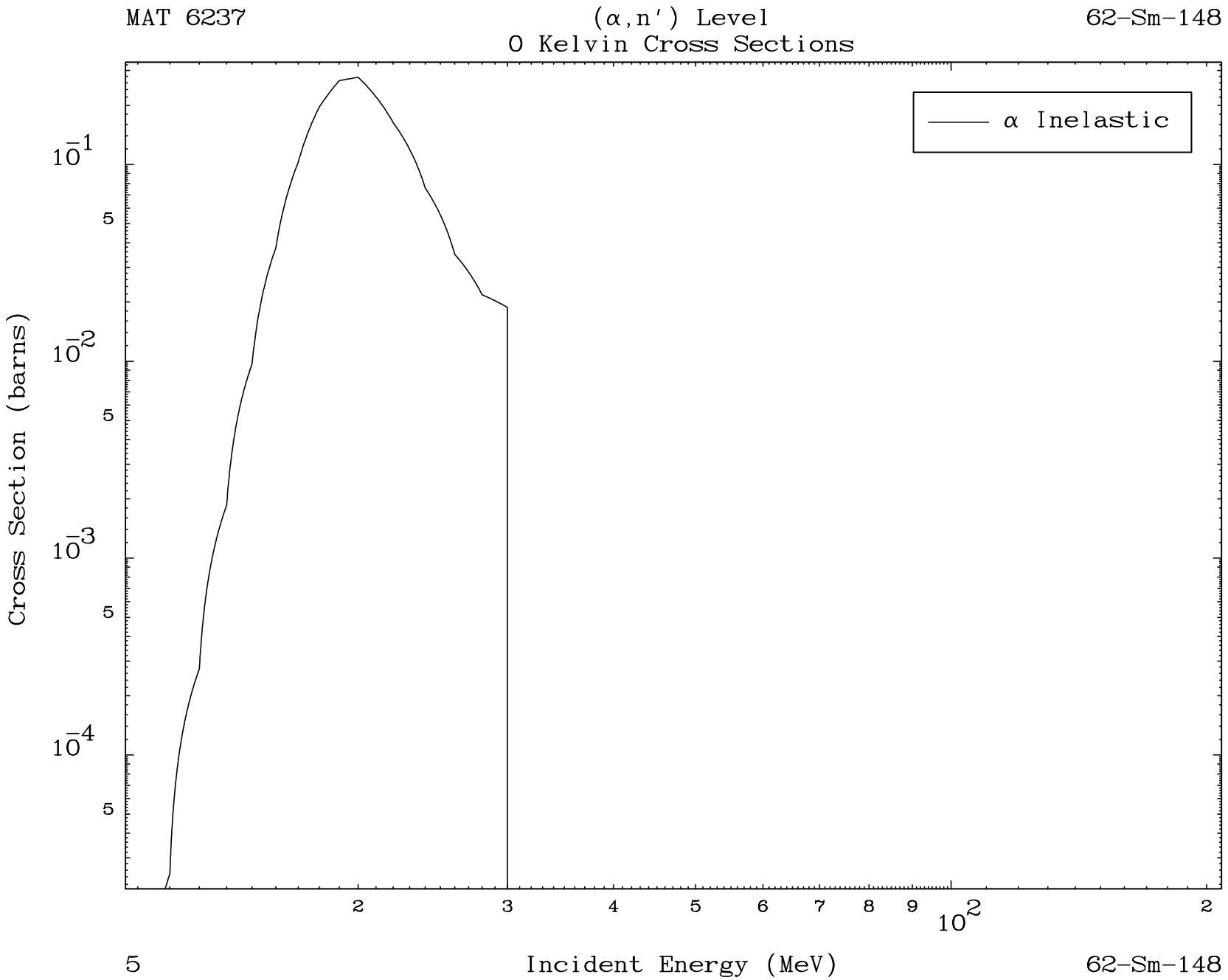
Press Mouse Button to Start

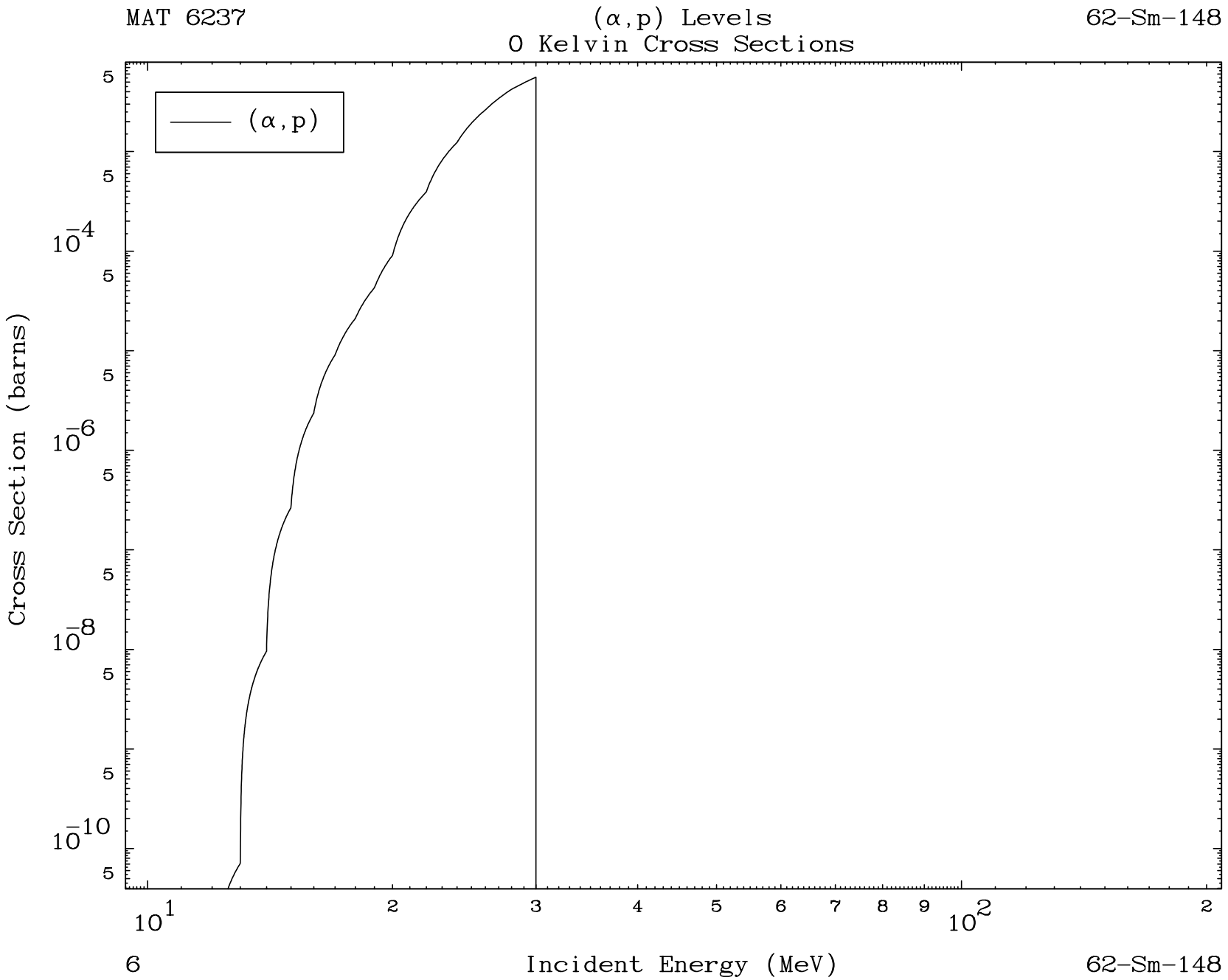

MAT 6237
α Major
62-Sm-148
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-148

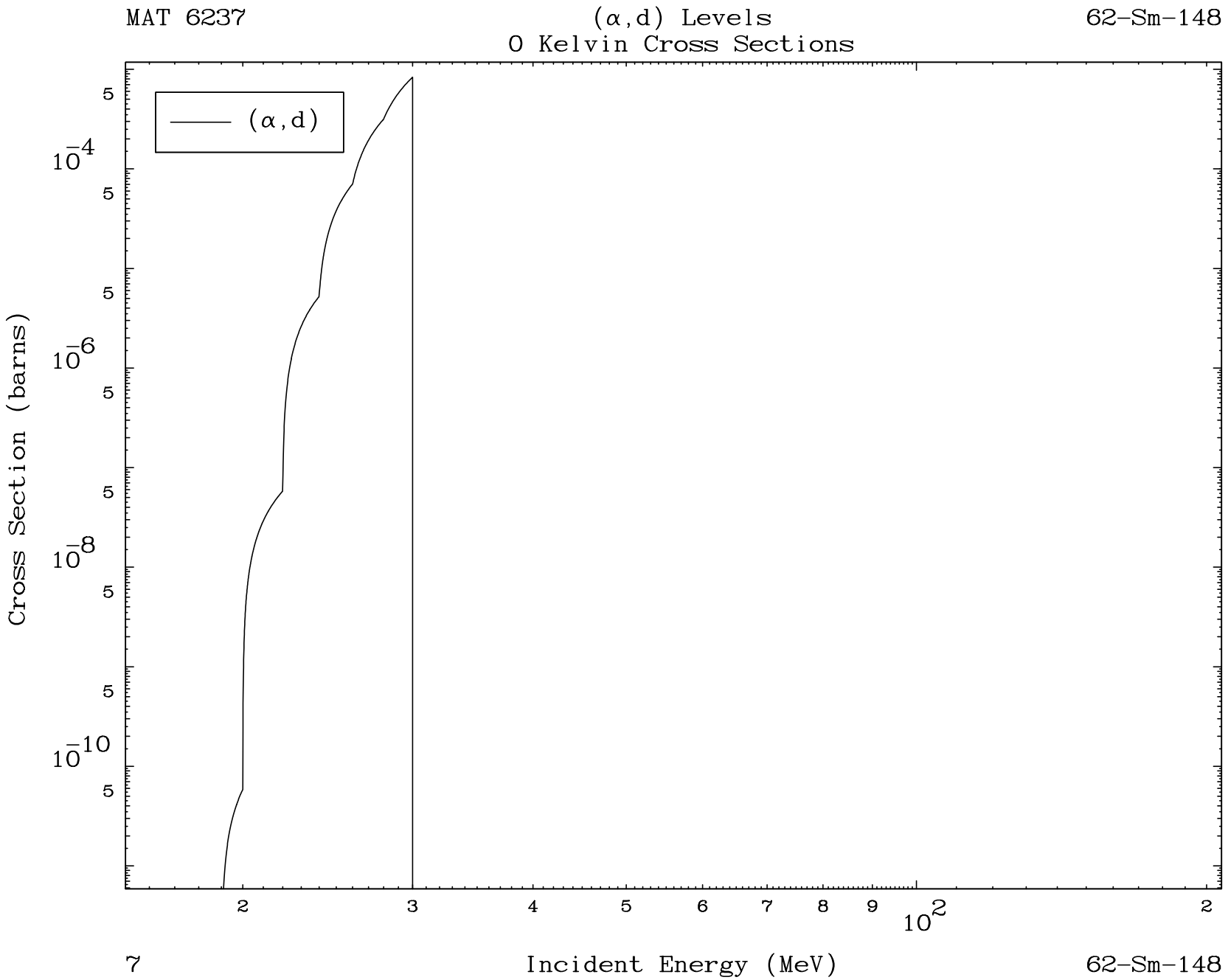

MAT 6237
α Neutron Production
0 Kelvin Cross Sections
62-Sm-148
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
62-Sm-148


MAT 6237
α Charged Particle
0 Kelvin Cross Sections
62-Sm-148
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-148
3

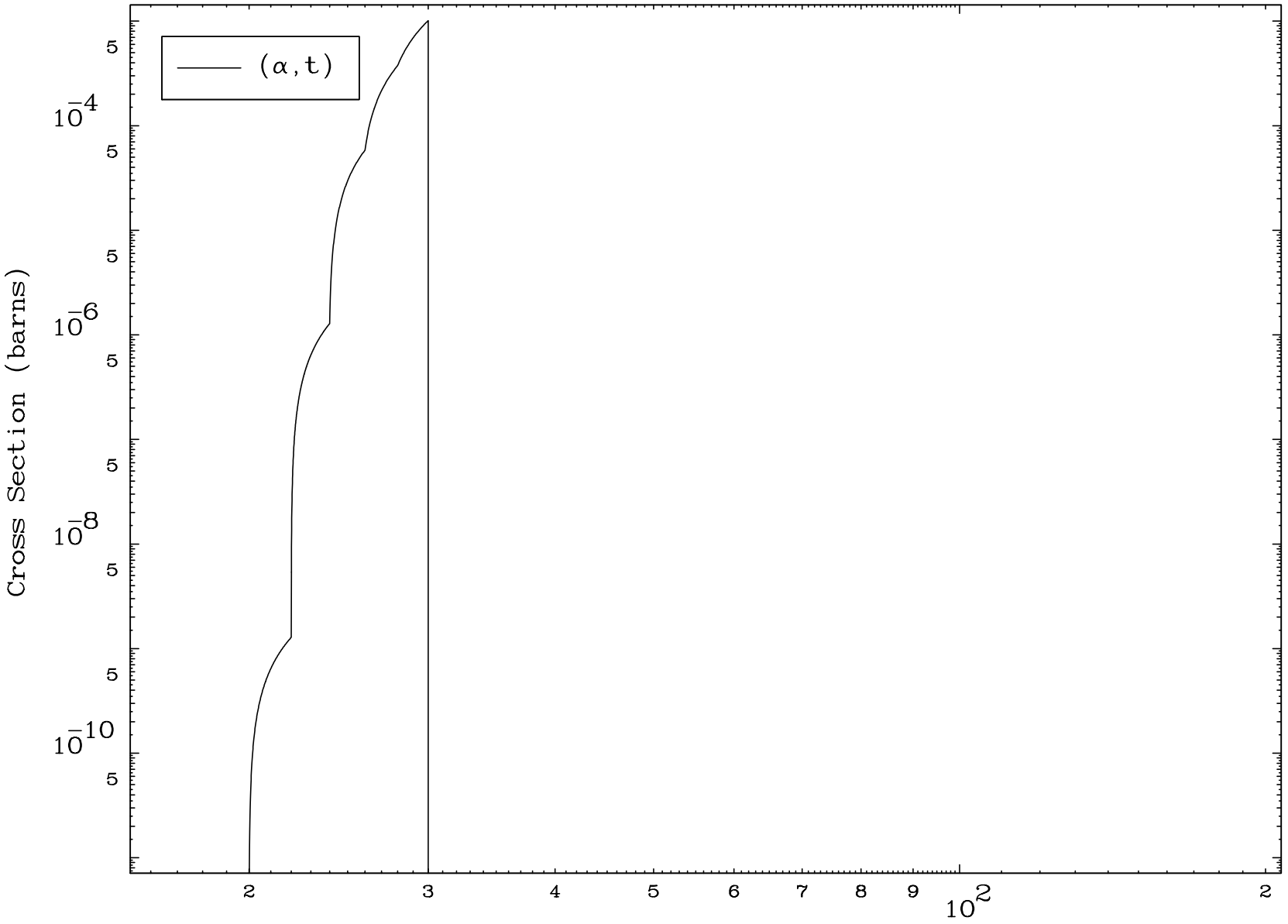

MAT 6237
α Charged Particle
0 Kelvin Cross Sections
62-Sm-148
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
62-Sm-148


MAT 6237
(α,n') Level
62-Sm-148
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
62-Sm-148

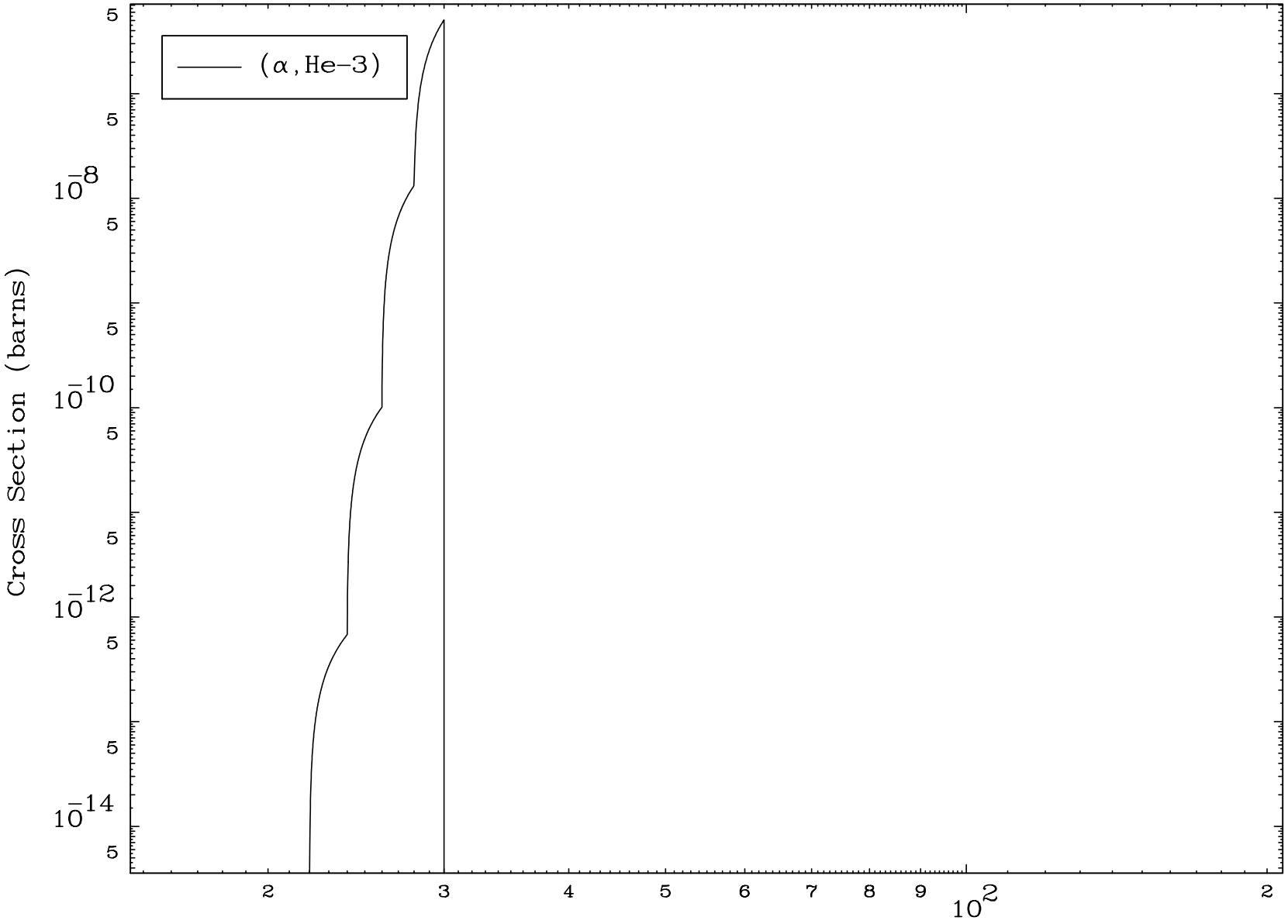

MAT 6237
(α,p) Levels
62-Sm-148
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-148
6

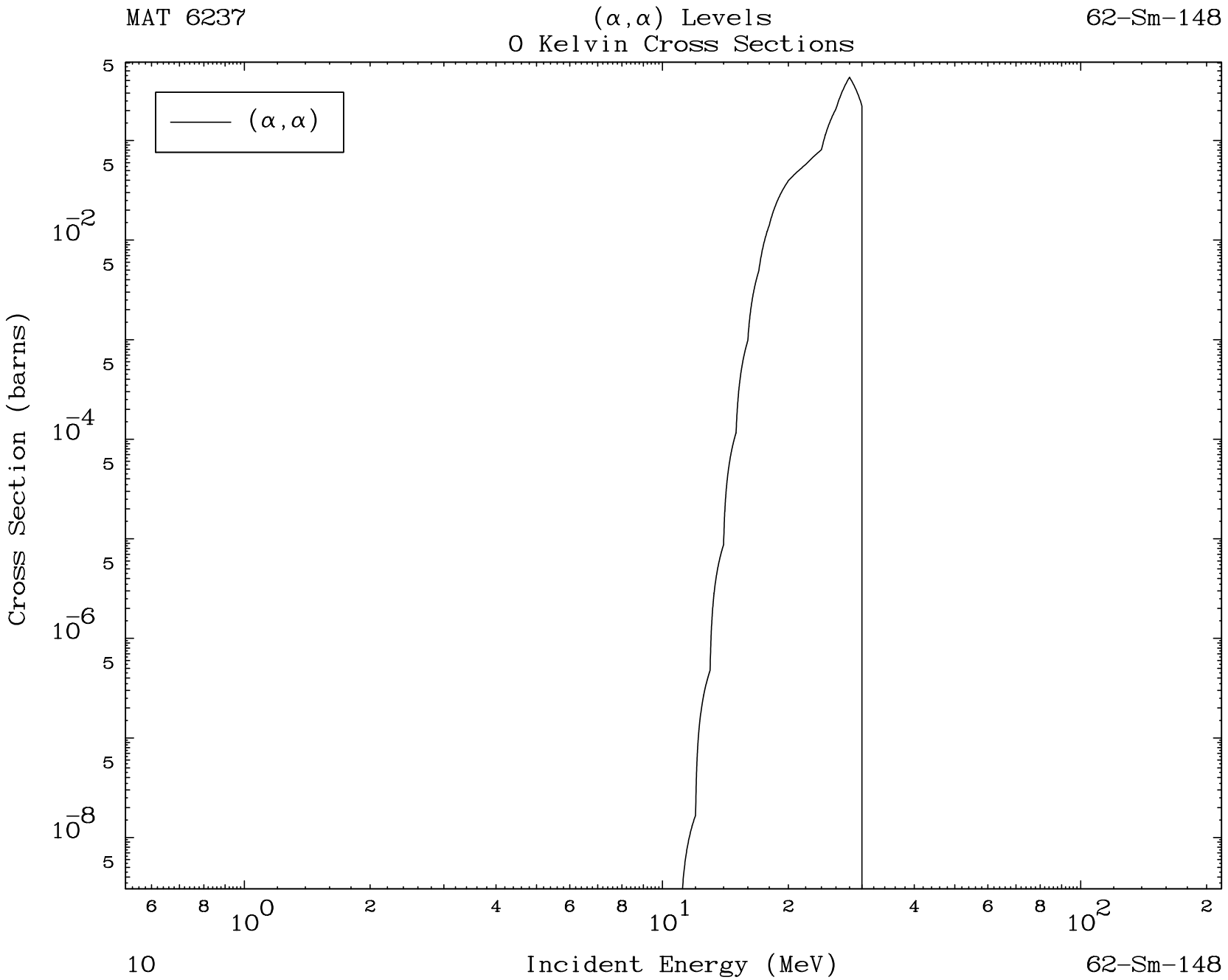

MAT 6237
(α,d) Levels
0 Kelvin Cross Sections
62-Sm-148
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
62-Sm-148

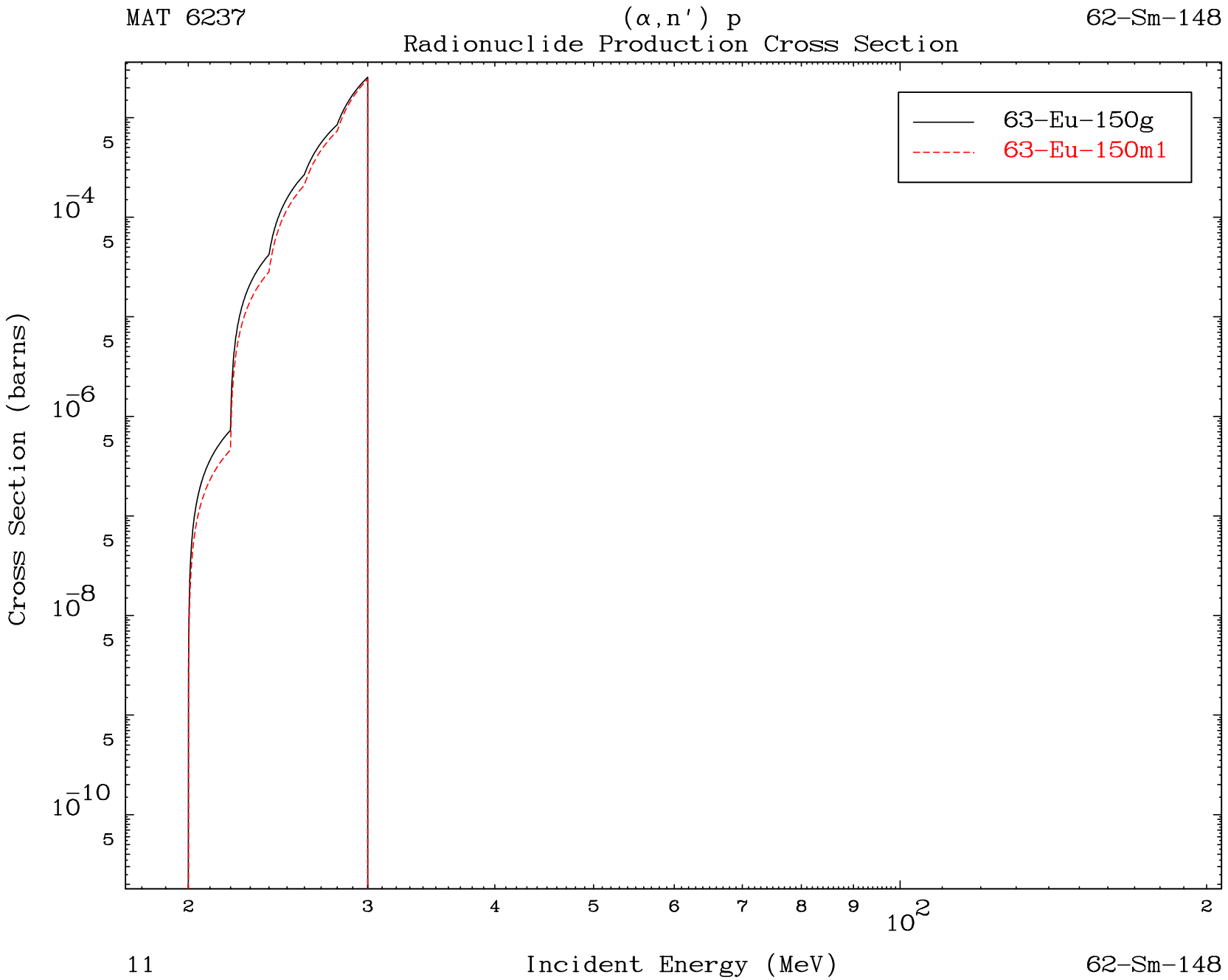
0 Kelvin Cross Sections

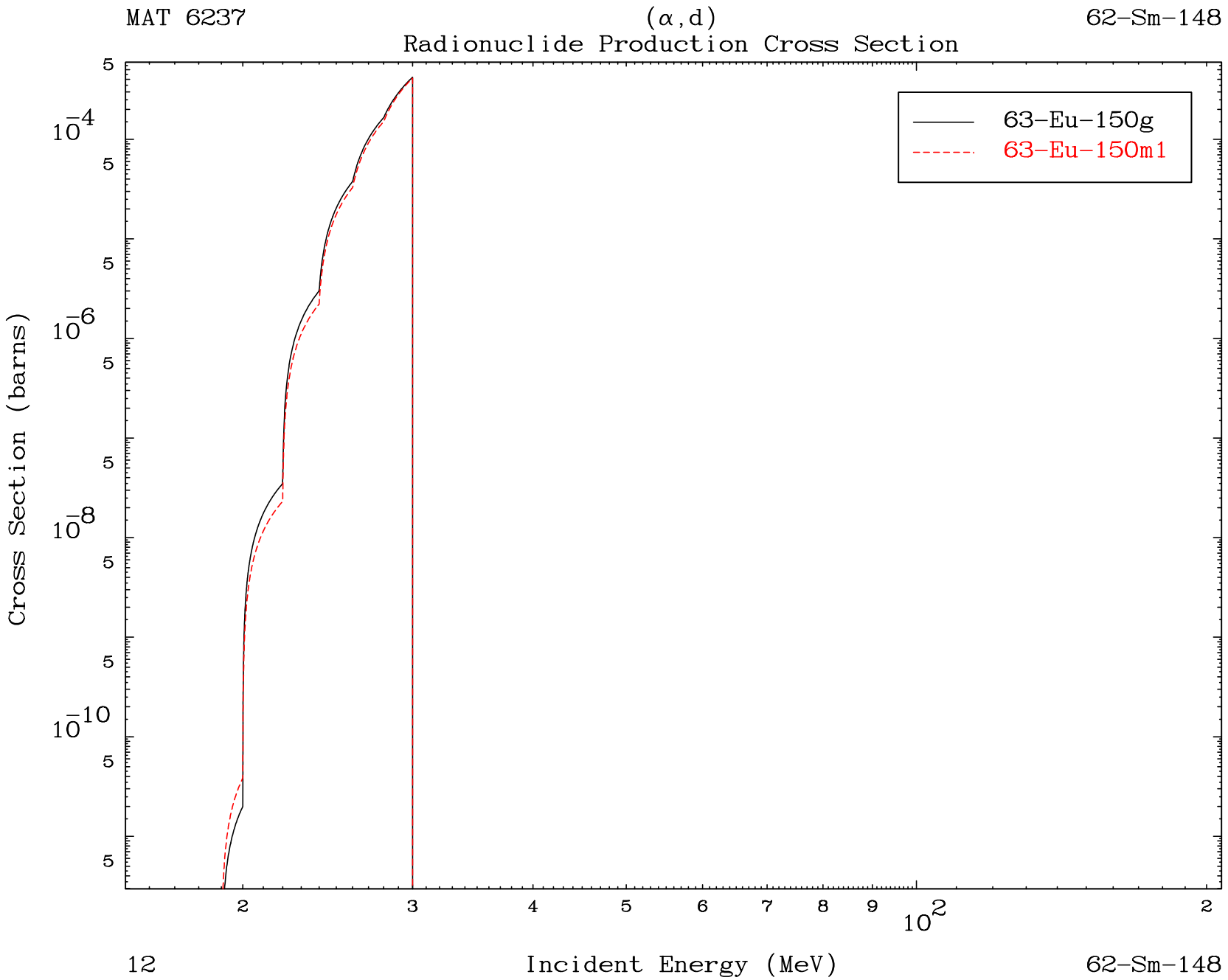


0 Kelvin Cross Sections




MAT 6237
(α,α) Levels
62-Sm-148
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-148


MAT 6237
(α,n') p
62-Sm-148
Radionuclide Production Cross Section
63-Eu-150g
63-Eu-150m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
11
Incident Energy (MeV)
62-Sm-148


MAT 6237
(α,d)
62-Sm-148
Radionuclide Production Cross Section
63-Eu-150g
63-Eu-150m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
62-Sm-148